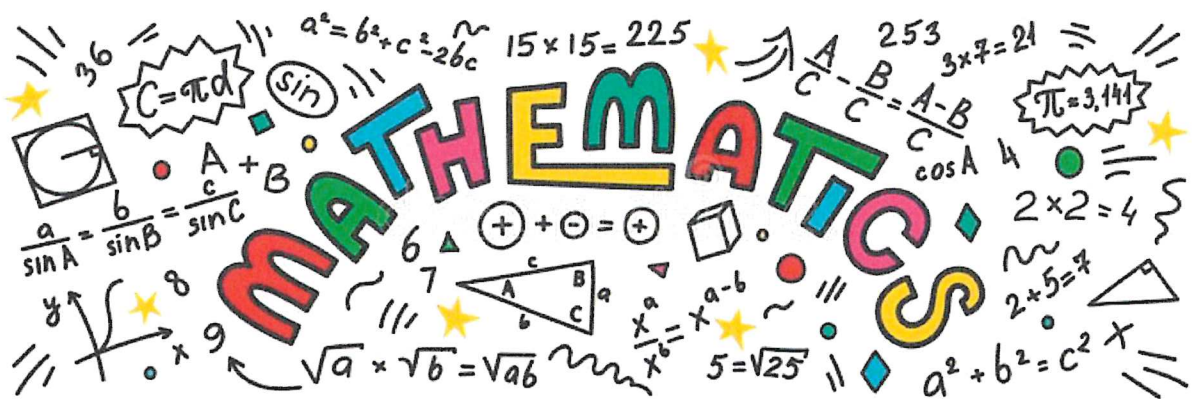


Maths

Level Three

Task One



Name _____

Date _____

Vertical Subtraction Of 3 Digit Numbers

$$\begin{array}{r} 548 \\ -147 \\ \hline \end{array}$$

$$\begin{array}{r} 892 \\ -282 \\ \hline \end{array}$$

$$\begin{array}{r} 631 \\ -331 \\ \hline \end{array}$$

$$\begin{array}{r} 823 \\ -120 \\ \hline \end{array}$$

$$\begin{array}{r} 667 \\ - 23 \\ \hline \end{array}$$

$$\begin{array}{r} 438 \\ -311 \\ \hline \end{array}$$

$$\begin{array}{r} 527 \\ -323 \\ \hline \end{array}$$

$$\begin{array}{r} 974 \\ -923 \\ \hline \end{array}$$

$$\begin{array}{r} 480 \\ - 0 \\ \hline \end{array}$$

$$\begin{array}{r} 539 \\ -322 \\ \hline \end{array}$$

$$\begin{array}{r} 496 \\ - 42 \\ \hline \end{array}$$

$$\begin{array}{r} 607 \\ -202 \\ \hline \end{array}$$

$$\begin{array}{r} 289 \\ -259 \\ \hline \end{array}$$

$$\begin{array}{r} 899 \\ -654 \\ \hline \end{array}$$

$$\begin{array}{r} 994 \\ -981 \\ \hline \end{array}$$

$$\begin{array}{r} 225 \\ - 14 \\ \hline \end{array}$$

$$\begin{array}{r} 357 \\ -314 \\ \hline \end{array}$$

$$\begin{array}{r} 139 \\ - 38 \\ \hline \end{array}$$

$$\begin{array}{r} 862 \\ -252 \\ \hline \end{array}$$

$$\begin{array}{r} 669 \\ -606 \\ \hline \end{array}$$

$$\begin{array}{r} 841 \\ -711 \\ \hline \end{array}$$

$$\begin{array}{r} 359 \\ -222 \\ \hline \end{array}$$

$$\begin{array}{r} 334 \\ -334 \\ \hline \end{array}$$

$$\begin{array}{r} 982 \\ -932 \\ \hline \end{array}$$

$$\begin{array}{r} 184 \\ - 63 \\ \hline \end{array}$$

$$\begin{array}{r} 670 \\ -340 \\ \hline \end{array}$$

$$\begin{array}{r} 523 \\ - 22 \\ \hline \end{array}$$

$$\begin{array}{r} 484 \\ - 11 \\ \hline \end{array}$$

$$\begin{array}{r} 593 \\ -222 \\ \hline \end{array}$$

$$\begin{array}{r} 623 \\ -202 \\ \hline \end{array}$$





Adding Two 3-Digit Numbers - No Regrouping



I can use column addition

Calculate the answer to the following:

$\begin{array}{r} 573 \\ +322 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 670 \\ +211 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 723 \\ +163 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 251 \\ +306 \\ \hline \\ \hline \end{array}$
$\begin{array}{r} 834 \\ +145 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 234 \\ +432 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 261 \\ +510 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 312 \\ +572 \\ \hline \\ \hline \end{array}$
$\begin{array}{r} 756 \\ +241 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 481 \\ +203 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 224 \\ +724 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 358 \\ +121 \\ \hline \\ \hline \end{array}$
$\begin{array}{r} 607 \\ +251 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 763 \\ +132 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 631 \\ +326 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 334 \\ +665 \\ \hline \\ \hline \end{array}$

Challenge: Complete the following calculations:

$\begin{array}{r} 6_6 \\ +25_ \\ \hline \\ \hline \\ _69 \end{array}$	$\begin{array}{r} _ _07 \\ +58_ \\ \hline \\ \hline \\ 9_8 \end{array}$	$\begin{array}{r} _ _1 \\ +241 \\ \hline \\ \hline \\ 69_ \end{array}$	$\begin{array}{r} 543 \\ + \\ \hline \\ \hline \\ 975 \end{array}$
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Addition and Subtraction Word Problems



LO: to solve word problems using addition and subtraction

Solve the following problems:

- 1) There are 167 books in one classroom and 392 books in the other.
How many books are there altogether in both classrooms? 559
- 2) Jay has a collection of 263 football cards. His brother has 189.
How many more football cards does Jay have? 74
- 3) A family drive 208 miles from London to Manchester, and then 213 miles on to Glasgow.
How far did they travel altogether? 421
- 4) A cricket team score 456 in the first innings and 249 in the second innings.
How many runs did they score altogether? 705
- 5) Jenny has £5.67. She spends £2.85 on a present for her brother.
How much money does she have left? £2.82
- 6) Abi collects stamps. She has 351 in a box and 456 in a book.
How many does she have altogether? 807
- 7) A lorry driver has a 561 mile journey. He stops for a break after 314 miles.
How much further has he to travel? 247
- 8) A pack of Christmas cards costs £5.49.
How much change would there be from £10.00? £4.51
- 9) A packet of lentils weighs 450g and a packet of kidney beans weighs 385g.
How much do they both weigh altogether? 835g
- 10) A shopkeeper has 367 bottles of lemonade. He orders 480 more.
How many bottles of lemonade will he have now? 847

Challenge

Two children have 720 marbles between them.

Jay has 126 more than Abi.

How many does Abi have? 297 (360 - 63)

English

Level Three

Task One



The Night Sky

The planet Jupiter

At night you can see the stars twinkling in the vast expanse of outer space. There are billions of stars in the universe, and some of these may have planets like the Earth revolving around them. The universe seems to go on for ever, and no one knows exactly how many stars, planets and satellites it contains.

Our Solar System

The Sun lies at the centre of our solar system. It is vital to life on Earth. Without its heat and light, nothing could survive on our planet. In the larger world of the universe, however, the Sun is just one of millions and millions of quite ordinary stars. It is made of very light hydrogen gas. Nuclear reactions at its centre produce huge amounts of energy which leave the Sun as heat and light. The temperature at the centre of the Sun is an incredible 15 million degrees Celsius.

The Difference between Stars and Planets

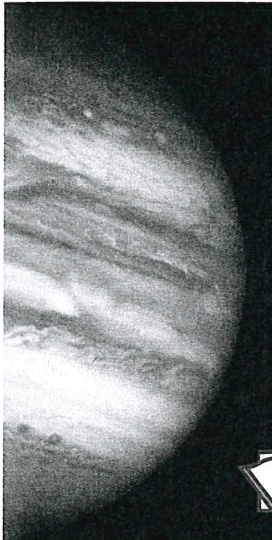
Like the Sun, the other stars in the galaxy are glowing balls of gas held together by gravity. Reactions in the stars' centres produce heat and light. You can only see the planets and their moons because they reflect the Sun's light, but stars shine with their own light. They are all individual 'suns'.

The Vastness of the Universe

The stars are so far away that a special unit, called a 'light year', is used to measure the distances between them and the rest of the universe. A light year is the distance that light travels in a year – 9.5 million million kilometres.

A galaxy is an enormous group of stars. Our solar system lies in a galaxy called the Milky Way, which measures about 100,000 light years from side to side. (Compare this with the 8½ minutes which it takes for light to reach Earth from the Sun!) There are perhaps 100 thousand million stars in our galaxy, the Sun being only one, and there are thousands of millions of galaxies in the universe.





GLOSSARY

- billion** a thousand million (one billion = 1,000,000,000)
- gravity** a force that pulls things towards the Earth
- million** a thousand thousand (one million = 1,000,000)
- planets** objects which orbit (travel around) stars; the Earth is a planet
- satellites** objects in space which orbit planets
- solar system** a Sun and its system of stars, planets and moons, etc.
- stars** objects in space which give off light
- universe** all existing things – the Earth and all of space beyond it

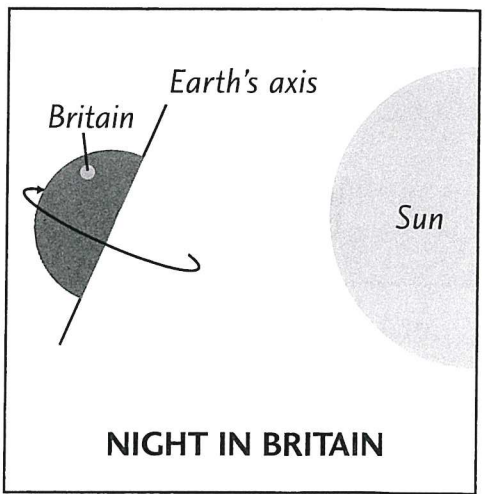
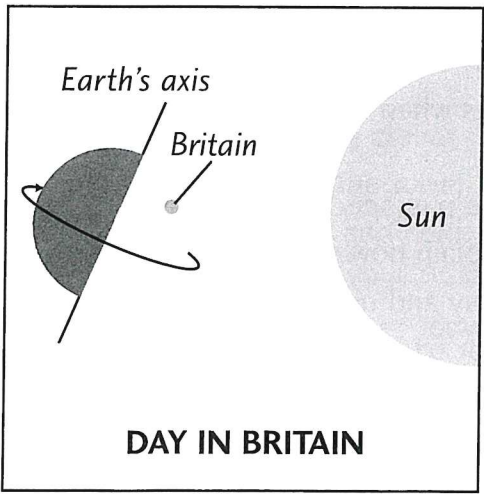


Comprehension

- A**
- 1 What is essential to life on Earth?
 - 2 How long does it take for the Sun's light to reach Earth?
 - 3 Which is largest, our solar system, the universe or our galaxy?
 - 4 What is the Milky Way and how big is it?
 - 5 Is the Earth a star or a planet?

Day and night

The Earth spins around on its own axis once every 24 hours. The part of the Earth that is turned towards the Sun at any time experiences daylight. The part that is turned away from the Sun experiences night.



Planet Mars